



A company with endless possibilities...

...in springs, wire parts, clips and assemblies



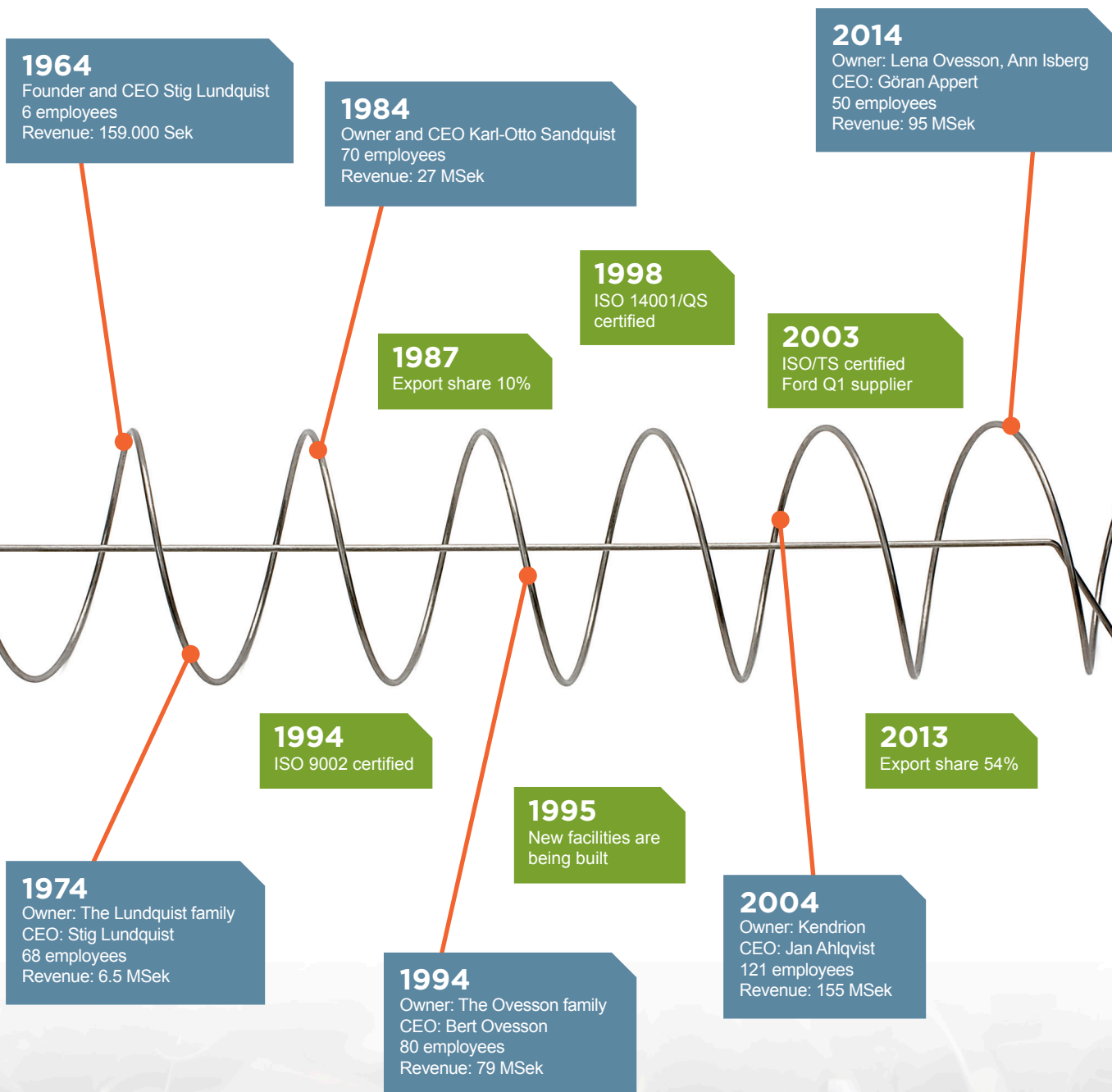
Spring
Systems

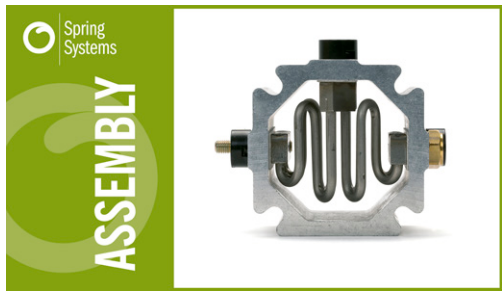
Spring Systems



Spring Systems is one of Scandinavia's leading manufacturers of springs, wire products, clips and assemblies. Our customers are found in the automotive industry, forest and garden, construction, household appliances and many other industries. Our organization is based on everyone's involvement. We seek participation and creativity for quality results and good working environment. The customer is always in focus where a good relationship is the key word.

More than **50 years** of development





A component can be assembled using a number of different techniques, for us it's mainly through manual or robot welding and/or manual assembly. We either manufacture all included sub-components, combining our various processes (springs, wires, welding, punching) or buy some of the components and surface treatments externally, but at the end of the day supplying a finished product /component to you.




Two wire parts of different dimensions and an advanced bracket are produced.




All details are put in a welding fixture and robot welded into a component.



The component is sent off for surface treatment and supplied to our customer.



Heating element – 12/24V for Diesel engines: Unique Kanthal wires are produced and welded together. The wire package is then mounted into the housing and put on an automatic line for functional testing.



Basket: 3 separate wire parts are produced and robot welded into a complete unit. The unit is sent off for surface treatment before being supplied to our customer.



Safety lock – engine hood: Two springs and two punched parts are produced. All details are then assembled into a complete component.



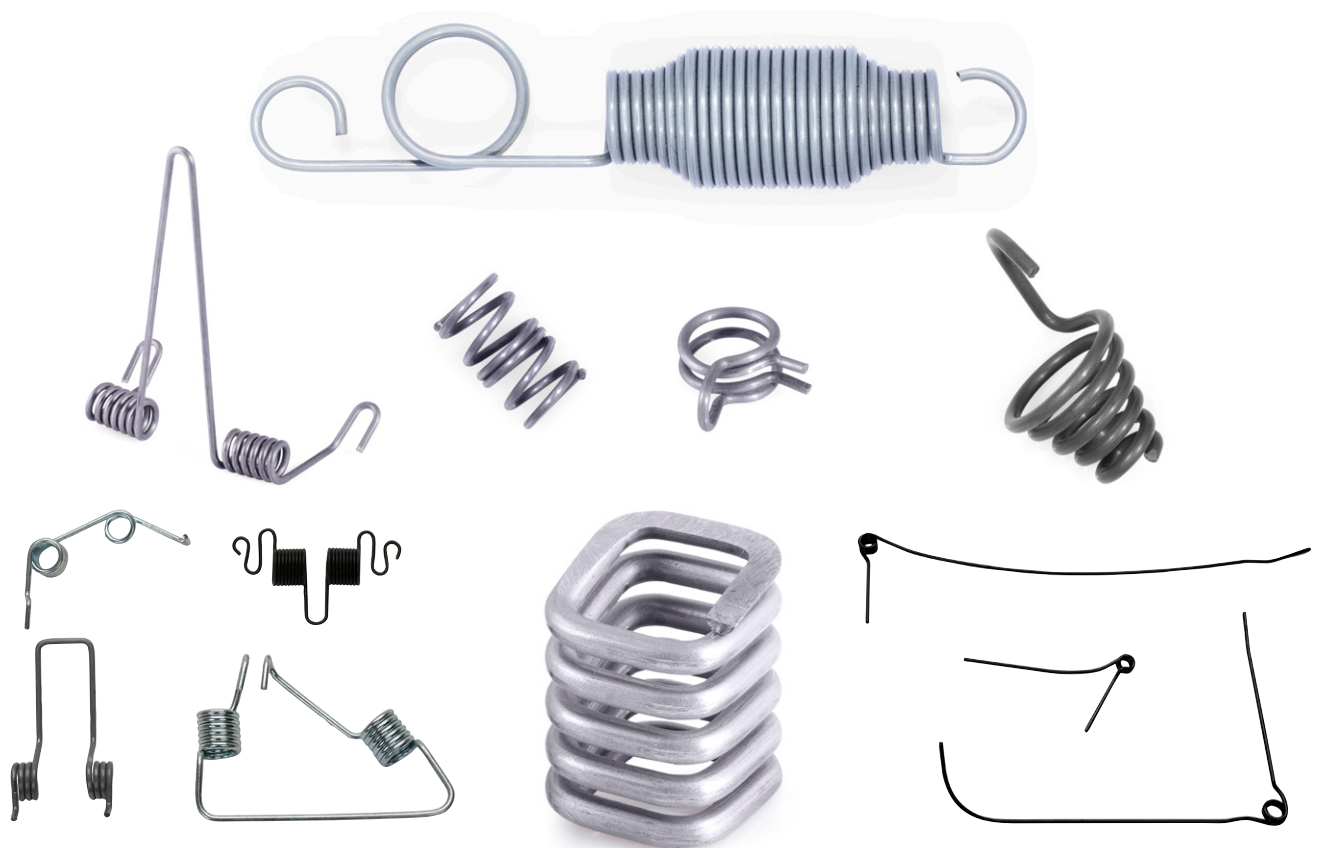
Striker: Two brackets and one wire part are produced. These sub-components are then moved into a fully automatic robot-cell for welding before being sent off for surface treatment.



Neck spring with cooling function: Two punched details and a square spring are produced and welded together.



Spring Systems has a long experience in manufacturing of all types of springs, whether you are in need of rings, torsion-, tension-, compression, plate- or leaf springs we can support you. Our main competitive advantage is our flexibility and ability to manufacture complex products with high quality.



ABOUT SPRINGS

We can assist you with product development, spring calculations and life cycle validation of your springs.

We also offer shot peening and various surface treatments (e.g. electroplating, chromating, teflon treatment as well as coating of springs (KTL and/or powder painting).

Equipment:
25 spinning/bending machines.

Example of material:

Spring wire (EN 10270-1), stainless spring wire (EN 10270-3), special alloys spring wire, copper & silver.

Dimensions:

Torsion springs: 0,4 – 4mm

Tension springs: 0,4 – 6mm

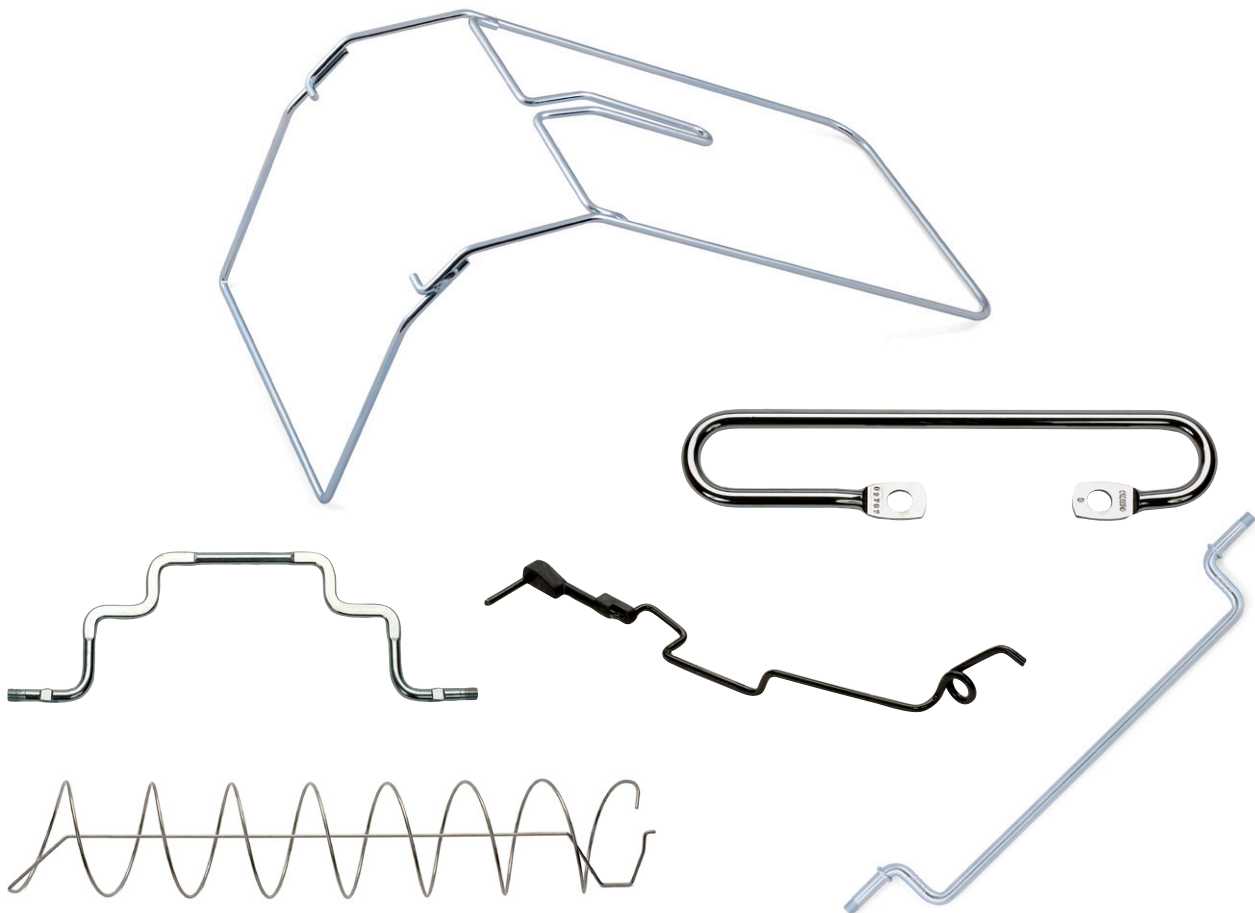
Compression springs: 0,2-7 mm

Plate/leaf springs: Thickness 0,2 - 2mm, Width: 2,0 – 40mm

Rings: 0,4 – 7mm



Actually, it's only your imagination that sets the limit for how a bended wire product might look like. Thanks to our extensive experience and skilled operators, we often solve even the impossible ...



ABOUT WIRES

Besides flexible bending opportunities we can also do cold forming and integrated threads, and when needed we can assist with product development of your wire products.

We also offer various surface treatments (e.g. electroplating, chromating, teflon treatment as well as coating of springs (KTL and/or powder painting).

Equipment:
6 bending machines.

Example of material:
Steel wire (EN 10025 - S235JRG2, 1.0038), spring wire (EN 10270-1), stainless spring wire (EN 10270-3, 1.4310).

Dimensions:
0,2 - 12 mm



We manufacture clips in different sizes for numerous applications. Often we are involved from prototype to finished product. Common to all of our clips is that they consist of spring steel material.



ABOUT CLIPS/BRACKETS

We offer various surface treatments (e.g. electroplating, chromating, teflon treatment as well as coating of springs (KTL and/or powder painting).

Equipment:

9 presses - 20 to 315 tonnes.

Example of material:

Steel (EN 10025), stainless steel (EN, 1.4512), stainless spring steel (EN 10088, 1.4310), aluminium.

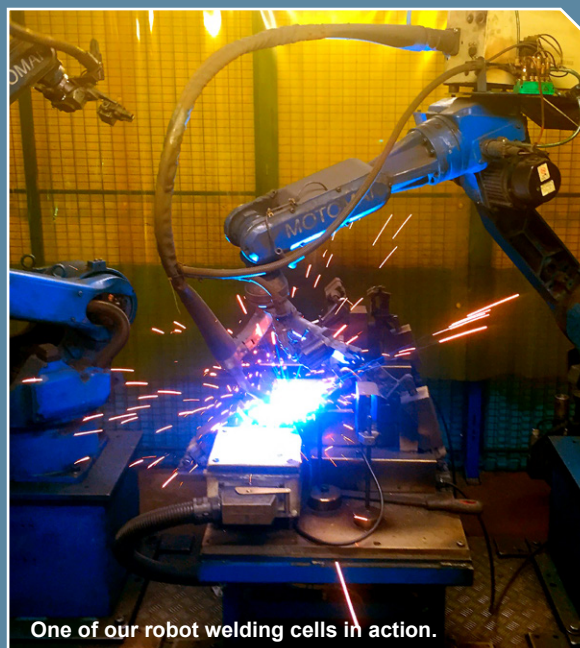
Dimensions:

Width 0-600 mm

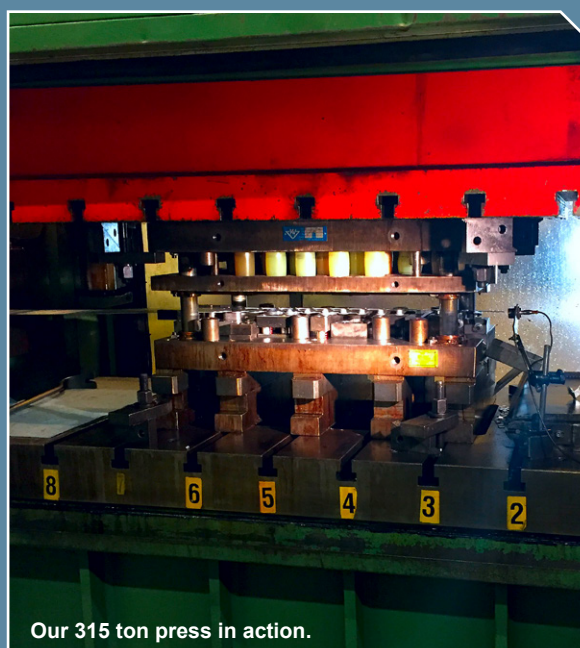
Thickness: 0-6,0 mm

WELDING AND STAMPING

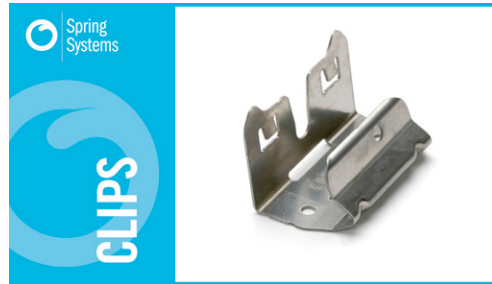
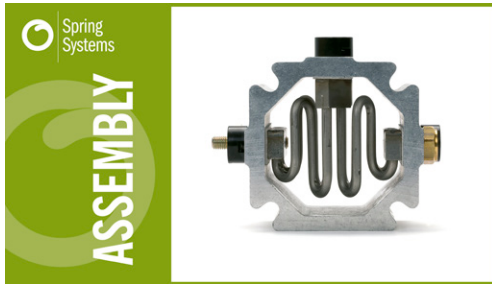
Our offer includes robot welding, MIG/MAG, TIG and resistance welding. With our 9 presses with capacity between 20 and 315 tonnes we make sure that your detail is pressed for success.



One of our robot welding cells in action.



Our 315 ton press in action.



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